



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/626,023	07/27/2000	Raili Numminen	930.312US01	9994

32294 7590 09/30/2003

SQUIRE, SANDERS & DEMPSEY L.L.P.
14TH FLOOR
8000 TOWERS CRESCENT
TYSONS CORNER, VA 22182

EXAMINER

ORGAD, EDAN

ART UNIT	PAPER NUMBER
----------	--------------

2684

DATE MAILED: 09/30/2003

4 15

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/626,023

Applicant(s)

NUMMINEN ET AL.

Examiner

Edan Orgad

Art Unit

2684

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 30 June 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-29 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-14 is/are allowed.
- 6) ☒ Claim(s) 15-18 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 15-18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Westerlage et al (US 6,295,495) in view of Nguyen et al (US 5,815,561).

Regarding claim 15, Westerlage teaches a method of controlling access in a wireless telecommunications system, which wireless telecommunications system comprises first and second wireless telecommunications networks connected together and located in physically separate respective first and second sites (col. 5, lines 4-15). However, Westerlage fails to specifically disclose storing identities of wireless terminals at the second site in a first site link access control unit; using the stored identities to permit a call made at the first site to wireless terminals at the second site to be routed from the first site to the second site over a data link of which use is restricted between the first network and the second network; and connecting the said call between the first network and the second network over the data link. However, Nguyen teaches storing identities of wireless terminals at the second site in a first site link access control unit (col. 4, lines 57-62); using the stored identities to permit a call made at the first site to wireless terminals at the second site to be routed from the first site to the second site over a data link of which use is restricted between the first network and the second network (col. 4, lines 63-67); and connecting the said call between the first network and the second network over the data

Art Unit: 2684

link (col. 4, line 67- col. 5, line 3). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to include Nguyen's controller teachings with XX in order to provide cost limiting communications and services.

Regarding claim 16, Westerlage teaches said call comprises the step of connecting the said call between a first base station serving the first site and operable as part of the first wireless telecommunications network and a second base station serving the second site and operable as part of the second wireless telecommunications network, via the first and second wireless telecommunications networks (col. 14, lines 23-37).

Regarding claim 17, Nguyen teaches the identities of the wireless terminals each comprise a number identifying a terminal and a corresponding second site link access control unit address (col. 4, lines 47-59).

Regarding claim 18, Nguyen teaches storing identities of wireless terminals at the first site for permitting calls to such terminals made at the second site to be routed from the second site to the first site over the data link (col. 15, line 60- col. 16, line 8).

Allowable Subject Matter

Claims 1, 4 and 19 are allowed.

The following is an examiner's statement of reasons for allowance:

Regarding claims 1, 4 and 19, the prior art of record teaches an access control system for a wireless telecommunications system comprising: a first base station serving a first site and operable as part of a first wireless telecommunications network; a second base station serving a

Art Unit: 2684

second site and operable as part of a second wireless telecommunications network; the first and second telephone wireless telecommunications networks being connected together (Panners, US 5,793,762- col.3, lines 7-65 & Berggren, US 6,073,015- col. 6, lines 11-56)). However, where the prior art differs from the claimed invention is the first and second sites being physically separate, whereby a call can be connected between the first base station and the second base station via the first wireless telecommunications network and the second wireless telecommunications network; and the access control system comprising a data link of which use is restricted between the first network and the second network, whereby a call may be connected between the first network and the second network; and a first site link access control unit comprising a database for storing identities of wireless terminals at the second site for permitting calls to such terminals made at the first site to be routed from the first site to the second site over the data link.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

US 5,805,976 teaches a single site split location trunked radio communication system.

Art Unit: 2684

US 6,414,939, teaches a router apparatus and control-frame processing method.

US 6,377,992, teaches a method and system for integration of several physical media for data communications between two computing systems in a manner transparent to layer #3 and above of the ISO OSI model.

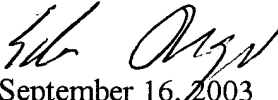
US 6,198,919, teaches a method and apparatus for communicating with an object and module used thereby.


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Edan Orgad whose telephone number is 703-305-4223. The examiner can normally be reached on 8:00AM to 5:30PM with every other Friday off..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nay Maung can be reached on 703-308-7745. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-4750.

Edan Orgad


September 16, 2003


NAY MAUNG
PRIMARY EXAMINER